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poured in at the two cusps, the quantity of each being such as would fill a length of the tube equal to its axis a . If the fluids do not mix, find the distance x_1, x_2 of the upper levels of the fluids from the vertex measured along the cycloidal arc. [From *Proctor's Geometry of the Cycloid.*]

61. Proposed by F. M. SHIELDS, County Surveyor, Coopwood, Miss.

Of three chronometers, *A*, *B*, and *C*, *A* keeps true time; *B* gains 5 minutes and $15\frac{3}{4}$ seconds a day by true time, and *C* loses 7 minutes and $15\frac{3}{7}$ seconds a day by true time. The hands of all three watches are set at 12 noon on a certain day. What is the time by the true watch, *A*, on the *fifth* day after time when the hands of the fast watch, *B*, point to 12, and what is the time by the true watch, *A*, on the *tenth* day after time when the hands of the slow watch, *C*, point to 12?

* * * Solutions of these problems should be sent to J. M. Colaw, not later than May 10.

PERIODICALS.

The Open Court. A Monthly Magazine. Devoted to Science of Religion, the Religion of Science, and the extension of the Religious Parliament Idea. Edited by Dr. Paul Carus; Assistant Editor, T. J. McCormack and Associate Editors E. C. Hegeler and Mary Carus. Price, \$1.00 per year in advance. Single copies, 10 cents.

The April *Open Court* presents its readers as a frontispiece with a unique specimen of Japanese art in the shape of a brilliantly colored poster called *The Pure Land or Western Paradise*, by a famous Tokyo artist, Mishima. The posters were made especially for the *Open Court*, and the sheets imported from Japan. The conception is delicate, and the tints little short of exquisite.

In the leading article Dr. Woods Hutchinson, of Buffalo discourses upon Courage the Chief Virtue, which is opposed by the author to meekness and submissiveness usually taught, and contrasts the sublime fortitude of Christ to the cowardice of many interpretations of his religion. Dr. Moncure D. Conway continues his series of articles on Solomonic Literature, giving in the present number the mythological interpretation of the traditions connected with the wives of Solomon. The illustrated article of the number is by Dr. Paul Carus on the Human Heart as Mirrored in Religious Art. Old wood cuts are reproduced, portraying the various conceptions of the soul as the vehicle of good and evil, while representations of modern ideas are also given.

Captain Pfoundes of Japan writes entertainingly of the present situation in China, and his article is accompanied by a handsome half tone illustration of the Seven Sages of the Bamboo-Grove. Mr. Sandison of Glasgow reports the Gifford Lectures now being delivered in Scotland by Dr. Bruce; and Mr. Edmund Noble of Boston gives us Some Parallels Between Theology and Science. Prof. I. W. Howarth of the University of Chicago treats of the crying problems of social life. Poems, with a new hymn by Dr. Paul Carus, and a number of book reviews complete the number.

The American Monthly Review of Reviews. An International Illustrated Monthly Magazine. Edited by Dr. Albert Shaw. Price, \$2.50 per year in advance. Single number, 25 cents. The Review of Reviews Co., 13 Astor Place, New York.

The Cuban crisis naturally demands more space in the editorial department of the *American Monthly Review of Reviews* than any other single topic. The whole matter is reviewed in the light of the latest and most authentic information received up to the time of going to press. The *Review* is convinced that the country desires and will demand intervention in Cuba, that the real question at issue is the relief of Cuba, not the settlement of the *Maine* incident, and that Spain's final withdrawal from the Western hemisphere will be the only satisfactory termination of the present trouble.

The Monist. A Quarterly Magazine devoted to the Philosophy of Science. Edited by Dr. Paul Carus; T. J. McCormack, Assistant Editor; E. C. Hegeler, and Mary Carus, Associate Editors. Price, \$2.00 per year in advance. Single number, 50 cents. The Open Court Publishing Co., Chicago, Ill.

Prof. Ferdinand Hüppe, the well known Professor of Hygiene in the University of Prague, contributes an interesting and important article to the April *Monist* on the Causes of Infectious Diseases. Prof. Hüppe is a bacteriologist of the modern school but nevertheless opposes the main doctrines of Koch, Pasteur and Virchow, and few will dissent from the reasonableness of the position he takes, which harmonizes the facts of the new theories with the established principles of the old. Both physicians and laymen will be interested in Prof. Hüppe's presentation of modern bacteriology.

In the same number, the famous Italian criminologist, Prof. Cesare Lombroso seeks to establish his favorite theory of the degeneracy of genius by considering certain regressive phenomena in evolution. Dr. Woods Hutchinson writes passionately and with rare ability upon Lebenslust, or the joy of life. A distinguished English lady, E. E. Constance Jones, discusses An Aspect of Attention. Prof. John Dewey, of the University of Chicago, discusses ethics in the light of evolution. And, finally, the editor, Dr. Paul Carus, in a long article on the Unmateriality of Soul and God, seeks to lay a firm foundation for correct views of these momentous questions. The number concludes with entertaining Literary Correspondence from Europe, and the usual number of Book Reviews in the field of science, philosophy and religion.

SOME ERRATA IN FEBRUARY NUMBER.

Page 42, line 34, for "defective" read defect.

Page 43, line 12, for " $-xy=6$ " read $-xy=-6$.

Page 44, line 17, for last " \pm_1 " read \mp_1 ; line 30, omit "(" before xy .

Page 47, line 18, for "PN" read DN ; line 19, supply "(" before $FG+NE$).

Page 48, line 7, for " $12\pi n + \pi n^2/1200 = 100$ " read $12\pi n + \pi n^2/100 = 1200$.

Page 52, line 28, for " $3(6^2-1^2)$ " read $3(6^2-1^2)$.

Page 53, line 3, after 208, insert 608; line 33, for "13" read 15.

Page 54, line 3, for "363" read 368.

Page 59, line 21, for " $7m^2n$ " read $7m^3n$.

Page 60, line 1 of problem 70, for " π/n " read $\pi/2n$; and in last line, for " $\pi/2l$ " read $\pi/2n$.

Page 61, problem 63, for " x^2 " read x^3 , and for "105498" read 105489.

Page 66, line 13 from bottom, for "Page 22" read Page 17.